

MOBILE AI-DRIVEN INFRASTRUCTURE SENSING & CONDITION INTELLIGENCE

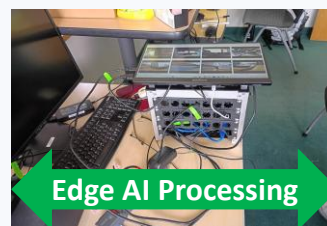
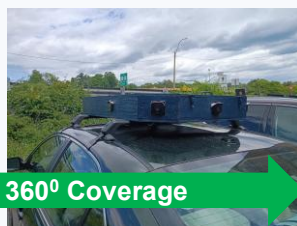
See More Infrastructure. Detect Problems Earlier. Make Better Decisions.

Platform Overview

InfraSense360™ is BlueFusion's mobile, AI-driven infrastructure sensing platform that transforms vehicles into intelligent inspection and condition-monitoring systems. Using synchronized cameras, GPS, IMU, vehicle telemetry, and edge AI, **InfraSense360™** continuously captures and analyzes infrastructure conditions during routine vehicle operations. This platform enables municipalities, transportation agencies, public works departments, utilities, engineering firms, and infrastructure operators to identify, geolocate, document, and track infrastructure conditions without relying exclusively on dedicated inspection vehicles or manual surveys.



8 High-Resolution RGB/IR Cameras For 360° Coverage



Edge AI Processing

Inspect More. Detect Earlier. Prioritize Smarter.

Turn everyday fleet operations into continuous infrastructure intelligence.

How InfraSense360™ Addresses Infrastructure Monitoring Challenges

Infrastructure Challenge	InfraSense360™ Solution
Manual inspections	Automated, vehicle-based infrastructure sensing
Limited inspection coverage	Continuous data collection during routine fleet operations
Infrequent condition assessments	Repeat-pass monitoring to identify changes over time
Poor asset visibility	AI-based asset detection, classification, and inventory
Unknown asset locations	GPS/IMU-based geolocation of infrastructure assets
Road surface deterioration	Automated detection of potholes, cracks, and pavement distress
Drainage inspection gaps	Detection and condition assessment of catch basins and storm drains
Degraded road markings	Automated lane and pavement-marking assessment
Outdated asset inventories	Continuously updated, georeferenced infrastructure records
Expensive dedicated surveys	Turn existing fleet vehicles into mobile sensing platforms



BlueFusion Inc.

Autonomous Sensing Platforms for Infrastructure Monitoring and Asset Intelligence



Schedule a Demo. See InfraSense360™ in Action

sales@bluefusion.tech
bluefusion.tech/infrasense360

Product features, specifications, performance, configurations, and availability are subject to change without notice.

MOBILE AI-DRIVEN INFRASTRUCTURE SENSING & CONDITION INTELLIGENCE

See More Infrastructure. Detect Problems Earlier. Make Better Decisions.

Core Infrastructure Coverage

Roadway Infrastructure	Municipal Infrastructure	Transportation Assets	Critical Infrastructure
Pavement & potholes	Catch basins	Bridges	Utility corridors
Cracks/surface distress	Storm drains	Tunnels	Power infrastructure
Lane markings	Manholes	Intersections	Pipeline corridors
Traffic signs	Sidewalks	Rail crossings	Industrial facilities
Guardrails & barriers	Curbs & ramps	Parking facilities	Ports & terminals
Road debris & hazards	Bike lanes	Transit infrastructure	Perimeter infrastructure

Choose the InfraSense360™ Configuration That Matches Your Mission

Three Configurations | One Platform | Scalable Infrastructure Intelligence

Features	Professional	Advanced	Elite
Exterior Cameras	4	8	10
Resolution / Frame Rate (max)	6 MP / 25 fps	6 MP / 25 fps	6 MP / 25 fps
GPS / IMU / OBD-II	✓	✓	✓
Edge AI Processing	✓	✓	✓
Local Data Storage	Up to 30 Days*	Up to 15 Days*	Up to 7 Days*
Deployment	Roads & Municipal Assets	Multi-Asset Infrastructure	Large-Scale Infrastructure
Business Model	Monthly Subscription	Monthly Subscription	Monthly Subscription

* Depends on frame rate, resolution, and hours of operation per day.

Why Organizations Choose InfraSense360™

Key Differentiators	What Sets InfraSense360™ Apart
Mobile Infrastructure Sensing	Collect infrastructure data during routine vehicle operations.
AI + Geolocation	Automatically detect, classify, and geolocate infrastructure conditions.
AI at the Edge	Process infrastructure data directly on the vehicle.
Multi-Asset Platform	Monitor roads, sidewalks, drainage, signs, bridges, and other assets.
Portable & Scalable	Deploy on any vehicle and scale across municipal or commercial fleets.



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